



SEQUENCE LISTING

<110> RENARD, MICHEL

DELOURME, REGINE

BARRET, PIERRE

BRUNEL, DOMINIQUE

FROGER, NICOLE

TANGUY, XAVIER

<120> MUTANT GENE OF THE GRAS FAMILY AND PLANTS WITH REDUCED DEVELOPMENT  
CONTAINING SAID MUTANT GENE

<130> 218874US0PCT

<140> 10/030,194

<141> 2002-02-04

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<160> 6

<170> PatentIn version 3.1

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			500					505					510			
tcg	tcc	ggt	ttt	gcg	ccg	gcg	cat	ctc	ggg	tct	aac	gcg	ttt	aag	caa	1643
Ser	Ser	Gly	Phe	Ala	Pro	Ala	His	Leu	Gly	Ser	Asn	Ala	Phe	Lys	Gln	
		515					520					525				
gcg	agt	acg	ctt	ttg	gct	ttg	ttt	aat	gga	ggc	gaa	ggt	tat	cgt	gtg	1691
Ala	Ser	Thr	Leu	Leu	Ala	Leu	Phe	Asn	Gly	Gly	Glu	Gly	Tyr	Arg	Val	
	530					535					540					
gag	aag	aat	aat	ggg	tgt	ttg	atg	ttg	agt	tgg	cac	act	cga	ccg	ctc	1739
Glu	Lys	Asn	Asn	Gly	Cys	Leu	Met	Leu	Ser	Trp	His	Thr	Arg	Pro	Leu	
545					550					555					560	
ata	acc	acc	tcc	gct	tgg	aag	ctc	tcg	gcg	gtg	cac	tga	g			1779
Ile	Thr	Thr	Ser	Ala	Trp	Lys	Leu	Ser	Ala	Val	His					
				565					570							

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<211> 572

<212> PRT

<213> Brassica napus

<400> 4

Met	Lys	Arg	Asp	Leu	His	Gln	Phe	Gln	Gly	Pro	Asn	His	Gly	Thr	Ser	
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Ile	Ala	Gly	Ser	Ser	Thr	Ser	Ser	Pro	Ala	Val	Phe	Gly	Lys	Asp	Lys	
			20					25					30			
Met	Met	Met	Val	Lys	Glu	Glu	Glu	Asp	Asp	Glu	Leu	Leu	Gly	Val	Leu	
		35					40					45				
Gly	Tyr	Lys	Val	Arg	Ser	Ser	Glu	Met	Ala	Glu	Val	Ala	Leu	Lys	Leu	
	50					55					60					
Glu	Gln	Leu	Glu	Thr	Met	Met	Gly	Asn	Ala	Gln	Glu	Asp	Gly	Leu	Ala	
65					70					75					80	

His	Leu	Ala	Thr	Asp	Thr	Val	His	Tyr	Asn	Pro	Ala	Glu	Leu	Tyr	Ser	85	90	95
Trp	Leu	Asp	Asn	Met	Leu	Thr	Glu	Leu	Asn	Pro	Pro	Ala	Ala	Thr	Thr	100	105	110
Gly	Ser	Asn	Ala	Leu	Asn	Pro	Glu	Ile	Asn	Asn	Asn	Asn	Asn	Asn	Ser	115	120	125
Phe	Phe	Thr	Gly	Gly	Asp	Leu	Lys	Ala	Ile	Pro	Gly	Asn	Ala	Val	Cys	130	135	140
Arg	Arg	Ser	Asn	Gln	Phe	Ala	Phe	Ala	Val	Asp	Ser	Ser	Ser	Asn	Lys	145	150	155
Arg	Leu	Lys	Pro	Ser	Ser	Ser	Pro	Asp	Ser	Met	Val	Thr	Ser	Pro	Ser	165	170	175
Pro	Ala	Gly	Val	Ile	Gly	Thr	Thr	Val	Thr	Thr	Val	Thr	Glu	Ser	Thr	180	185	190
Arg	Pro	Leu	Ile	Leu	Val	Asp	Ser	Gln	Asp	Asn	Gly	Val	Arg	Leu	Val	195	200	205
His	Ala	Leu	Met	Ala	Cys	Ala	Glu	Ala	Val	Gln	Ser	Ser	Asn	Leu	Thr	210	215	220
Leu	Ala	Glu	Ala	Leu	Val	Lys	Gln	Ile	Gly	Phe	Leu	Ala	Val	Ser	Gln	225	230	235
Ala	Gly	Ala	Met	Arg	Lys	Val	Ala	Thr	Tyr	Phe	Ala	Glu	Ala	Leu	Ala	245	250	255
Arg	Arg	Ile	Tyr	Arg	Leu	Ser	Pro	Pro	Gln	Thr	Gln	Ile	Asp	His	Ser	260	265	270
Leu	Ser	Asp	Thr	Leu	Gln	Met	His	Phe	Tyr	Glu	Thr	Cys	Pro	Tyr	Leu	275	280	285

Lys Phe Ala His Phe Thr Ala Asn Gln Ala Ile Leu Glu Ala Phe Glu  
 290 295 300  
 Gly Lys Lys Arg Val His Val Ile Asp Phe Ser Met Asn Gln Gly Leu  
 305 310 315 320  
 Gln Trp Pro Ala Leu Met Gln Ala Leu Ala Leu Arg Glu Gly Gly Pro  
 325 330 335  
 Pro Ser Phe Arg Leu Thr Gly Ile Gly Pro Pro Ala Ala Asp Asn Ser  
 340 345 350  
 Asp His Leu His Glu Val Gly Cys Lys Leu Ala Gln Leu Ala Glu Ala  
 355 360 365  
 Ile His Val Glu Phe Glu Tyr Arg Gly Phe Val Ala Asn Ser Leu Ala  
 370 375 380  
 Asp Leu Asp Ala Ser Met Leu Glu Leu Arg Pro Ser Glu Thr Glu Ala  
 385 390 395 400  
 Val Ala Val Asn Ser Val Phe Glu Leu His Lys Leu Leu Gly Arg Thr  
 405 410 415  
 Gly Gly Ile Glu Lys Val Phe Gly Val Val Lys Gln Ile Lys Pro Val  
 420 425 430  
 Ile Phe Thr Val Val Glu Gln Glu Ser Asn His Asn Gly Pro Val Phe  
 435 440 445  
 Leu Asp Arg Phe Thr Glu Ser Leu His Tyr Tyr Ser Thr Leu Phe Asp  
 450 455 460  
 Ser Leu Glu Gly Ala Pro Ser Ser Gln Asp Lys Val Met Ser Glu Val  
 465 470 475 480  
 Tyr Leu Gly Lys Gln Ile Cys Asn Leu Val Ala Cys Glu Gly Pro Asp  
 485 490 495

Arg Val Glu Arg His Glu Thr Leu Ser Gln Trp Ser Asn Arg Phe Gly  
500 505 510

Ser Ser Gly Phe Ala Pro Ala His Leu Gly Ser Asn Ala Phe Lys Gln  
515 520 525

Ala Ser Thr Leu Leu Ala Leu Phe Asn Gly Gly Glu Gly Tyr Arg Val  
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Glu Lys Asn Asn Gly Cys Leu Met Leu Ser Trp His Thr Arg Pro Leu  
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Ile Thr Thr Ser Ala Trp Lys Leu Ser Ala Val His  
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<223> Xaa = Arg or Asn

<400> 5

Gly Tyr Xaa Val Glu Glu  
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<222> (3)..(3)

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<220>

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<222> (6)..(6)

<223> Xaa = any amino acid except Glu

<400> 6

Gly Tyr Xaa Val Glu Xaa  
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